

What is claimed is:

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1. A fluid quick connector comprising:
 a connector housing configured to mate with an endform;
 an electrical contact mounted in the connector housing for establishing
 electrical contact between an outer surface of endform and the connector housing.

2. The fluid quick connector of claim 1 wherein the electrical
 contact comprises:

an electrically conductive annular body having an outer diameter
 disposing the body in contact with an inner diameter of the bore in the connector
 housing; and

a radially inward extending contact member carried on the electrical
 contact adapted to engage the male endform where the endform is mounted in the
 bore in the connector housing.

3. The fluid quick connector of claim 2 wherein:
 the at least one projection comprises a plurality of circumferentially
 spaced projections.

4. The fluid quick connector of claim 3 wherein:
 the plurality of circumferentially spaced projections comprises at least
 three projections.

5. The fluid quick connector of claim 3 wherein the plurality of
 projections are equi-circumferentially spaced about an inner surface of the annual
 body.

6. The fluid quick connector of claim 1 wherein the electrical
 contact comprises:

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3 an electrically conductive top hat mountable in a bore of the connector
4 housing for holding a seal element in the bore, the top hat having an inner bore
5 receiving the endform; and

6 the contact member being at least one radially inward extending
7 projection carried on the top hat adapted to engage the endform when the endform is
8 inserted into the bore in the connector housing.

1 7. The fluid quick connector of claim 6 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 8. The fluid quick connector of claim 7 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 9. The fluid quick connector of claim 7 wherein the plurality of
2 projections are equi-circumferentially spaced about an inner surface of the top hat.

1 10. The fluid quick connector of claim 1 wherein the electrical
2 contact comprises:
3 a spacer mounted in the bore about the endform; and
4 the contact member being at least one radially inward extending
5 projection carried on the spacer adapted to engage the endform when the endform is
6 inserted into the bore in the connector housing.

1 11. The fluid quick connector of claim 1 further comprising:
2 the connector housing and the endform being electrically conductive.

1 12. A fluid quick connector comprising:
2 a connector housing configured to mate with an endform;

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3 a spacer mounted in a through bore of the connector housing about the
4 male endform to the connector housing; and

5 an electrical contact member carried on the spacer for establishing
6 electrical contact between the endform and the connector body.

1 13. The fluid quick connector of claim 11 wherein the contact
2 member comprises:

3 the spacer formed of an electrically conductive material; and
4 at least one radially inward projection carried on the spacer adapted to
5 engage the endform where the endform is mounted in the bore in the connector
6 housing.

1 14. The fluid quick connector of claim 13 wherein:
2 the at least one projection of the contact member comprises a plurality
3 of circumferentially spaced projections.

1 15. The fluid quick connector of claim 13 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 16. A fluid quick connector comprising:
2 the connector housing and the endform being electrically conductive;
3 a top hat mountable in a bore of the connector housing for holding the a
4 seal element in the bore, the top hat receiving the endform therethrough, the top hat
5 formed of an electrically conductive material; and
6 the electrical contact member being at least one radially inward
7 extending projection carried on the top hat adapted to engage the endform when the
8 endform is inserted into the bore in the connector housing.

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1 17. The fluid quick connector of claim 16 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 18. The fluid quick connector of claim 16 wherein:
2 the plurality of projections comprises three circumferentially spaced
3 projections.

1 19. A fluid quick connector comprising:
2 a connector housing configured to mate with a endform along a first
3 axis;
4 the connector housing and the endform being electrically conductive;
5 a spacer and a top hat disposed in a through bore in the connector
6 housing about the endform; and
7 an electrical contact member carried on one of the spacer and the top
8 hat for establishing electrical contact between the endform and the connector body.

1 20. The fluid quick connector of claim 19 further comprising:
2 at least one of the spacer and the top hat formed of an electrically
3 conductive material; and
4 the electrical contact member being a radially inward projection carried
5 on one of the spacer and the top hat adapted to engage the endform where the male
6 endform is mounted in the bore in the connector housing.

1 21. The fluid quick connector of claim 20 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 22. The fluid quick connector of claim 21 wherein:

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2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 23. An electrical contact for a fluid quick connector having a
2 connector housing configured to mate with an endform, the electrical contact
3 comprising:

4 an electrically conductive body adapted to be disposed in a bore of a
5 connector housing about an endform inserted into the housing to establish electrical
6 contact between the endform and the connector housing.

1 24. The electrical contact of claim 23 further comprising:
2 the electrically conductive body having an outer diameter disposing the
3 body in contact with an inner diameter of the bore in the connector housing; and

4 At least one radially extending contact carried on the body adapted to
5 engage the endform where the endform is mounted in the bore in the connector
6 housing.

1 25. The electrical contact of claim 24 wherein:
2 the at least one contact projection comprises a plurality of
3 circumferentially spaced contact projections.

1 26. The electrical contact of claim 25 wherein:
2 the plurality of circumferentially spaced contact projections comprises
3 at least three contact projections.

1 27. The electrical contact of claim 25 wherein the plurality of
2 contact projections are equi-circumferentially spaced about an inner surface of the
3 contact body.

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